



The GEL Group INC

The GEL Group, Inc.

Background

- Four Operating LLC's
- Privately Held Firm
- Woman-Owned
- Founded in 1981
- Approx. 350 Employees
- Headquartered in Charleston, SC

www.gel.com



problem solved

The GEL Group Inc

Kathleen H. Stelling, Chairman and Secretary

James M. Stelling, President and CEO

Douglas E. Earnst, CFO

John I. Crawford, HR Director/Safety

Robert L. Pullano, QA Director

Russell L. Moser, IT Director

George R. McAbee, Environmental Manager



Laboratories LLC

Carey J. Bocklet
Chief Operating Officer



Geophysics LLC

Scott D. Carney, P.E.
Director



Engineering LLC

Joseph E. Coffey, Jr., P.E.
Director

Chemistry
Division

Carey J. Bocklet
Division Director

Radiochemistry
Division

James B. Westmoreland
Division Director



Analytics LLC

Industrial
Services

Environmental
Services

Engineering
Services

Emissions Testing
Services

Greenville, SC

Regional Office

Durham, NC

Regional Office



The GEL Group INC

GEL Engineering, LLC

- 50 Employees
- Locations: Charleston and Greenville, SC, Durham, NC
- Technically Diverse
 - Environmental Consulting
 - Engineering
 - Surveying

www.gel.com



The GEL Group INC

- Emissions Testing
- Permitting & Compliance
- Soil & Groundwater
- Brownfields Services
- Landfill Services
- Industrial Hygiene
- Property Due Diligence
- Greenhouse Gas Services
- GEL Laboratories
- GEL Geophysics
- Civil Engineering
- Surveying
- GIS



The GEL Group INC

Anti-Idling Initiative

Background

Participating in a Clean Air Partnership with the Berkeley/Charleston/Dorchester Council of Governments and SCDHEC

As a large employer focused on environmental issues and quantifying human impacts on the environment, GEL is at the forefront of local efforts to proactively address air quality issues

www.gel.com

Why is Vehicle Idling a Problem?

- Mobile sources are a major contributor to air pollution in South Carolina.
- Idling for only 30 seconds uses up more fuel than restarting a vehicle's engine.
- Idling wastes about 1/2 mile worth of fuel every minute.

Idling = 0 miles per gallon

- Health impact of engine idling
 - Releases harmful pollutants like CO, SO₂, NO_x, VOCs, fine particulates, GHG
 - Diesel - contain known carcinogens
- Financial impact: Idling increases the cost of operating GEL's fleet of vehicles
 - Fleet of over 20 vehicles comprised of trucks, courier vehicles, and field equipment
 - Trucks that deliver goods and services to GEL
 - 350 employees with personal vehicles used to commute to work



The GEL Group INC

GEL's Policy

- 1. Our drivers/operators will not leave unattended vehicles/equipment idling;**
- 2. Our drivers/operators will shut down vehicles/equipment when idle time is expected to exceed 30 seconds;**
- 3. Our drivers/operators will idle vehicles/equipment only if the engine is required to power auxiliary equipment;**



The GEL Group INC

GEL's Policy (cont)

- 4. At their discretion, our drivers/operators can idle vehicles/equipment for safety and health necessities. Examples include operating flashing hazard lights and cool down or warm up breaks when doing outdoor site work in extremely hot or cold temperatures (heat stress and hypothermia avoidance). However, this does not include idling vehicles in the morning prior to leaving for a work assignment.**
- 5. While we can not force delivery truck drivers to turn off engines, we can politely remind them of our policy and encourage them to shut down engines while making deliveries and pick ups at GEL (and many of these transportation/delivery companies also have anti-idling initiatives).**



The GEL Group INC

To Roll Out This Campaign GEL:

1. Posted “No Idling” signs in heavy idling areas (Field Services/Stack Group/Geophysics Roll Up Doors/Loading Areas, Laboratory Delivery Doors/Dock, Laboratory Log In Doors)
2. Distributed fact sheet to drivers and operators of company trucks/equipment, and place a copy of this fact sheet in the mileage log for each vehicle
3. Placed “no idling” reminder window clings inside GEL fleet vehicles
4. Placed anti-idling bumper stickers on GEL fleet vehicles



The GEL Group INC

Anti-Idling Campaign Collateral





The GEL Group INC

Anti-Idling Campaign Collateral





The GEL Group INC

Anti-Idling Campaign Collateral





The GEL Group INC

Other GEL Initiatives

- **Gas Cap Check/Replacement Program**
- **One of the first organizations to participate in Trident Rideshare**
- **Member of The Climate Registry**
- **Recycling Program: paper, cardboard, aluminum cans, e-waste**
- **Use of post consumer recycled content paper products**
- **Going to a paperless environment where possible**
- **Telecommuting for staff from home and/or client sites**



The GEL Group INC

Gas Cap Check/Replacement Program

One faulty gas cap can leak one gallon of gasoline into the air every 15 days, which contributes to ground-level ozone pollution. Evaporative emissions from each faulty or missing gas cap can amount to an average of 165 pounds of volatile organic compounds (VOCs) per year. Not only is this bad for the air and for public health, but it is a waste of money and gasoline. By hosting a gas cap check, employers can help curb ozone pollution.

Faulty or missing gas caps emit VOCs, which combine with nitrogen oxides (NOx) in the presence of sunlight to form ground-level ozone pollution. Ozone pollution can cause breathing problems and respiratory infections in the elderly, young, and those with pre-existing respiratory ailments.

GEL'S GAS CAP CHECK EVENT



When: Tuesday, December 15 (rain date Dec 16)

Who: Entire GEL Group invited to participate

Where: GEL parking lots

What you need to do: If interested in participating, simply park your car as usual and leave your gas cap unlocked and fuel door open to allow access for the testing. If your gas cap is leaking, a replacement cap will be provided by GEL free of charge.

Why: Leaking caps allow gas to evaporate from the tank, contributing to air pollution and wasting up to 30 gallons of gasoline annually.

GAS CAP CHECK EVENT



The GEL Group INC

SCORECARD

Event Location:

GEL - Charleston, SC

Date:

12/16/09

Number of Caps Tested:

120

Number of Failing Caps Replaced:

10

Failure Rate:

8.3%

Gas Saved by Replacement Caps:

300 gallons/year

Annual Reduction in VOC
& Air Toxic Emissions:

1 Ton



The GEL Group INC

Questions?

Sandra Chzasz

(843) 769-7378

sandra.chzasz@gel.com